

| | Search Text | Time Stamp |
|----|---|---------------------|
| 1 | voice and (coder or coding) | 2003/10/14 11:41 |
| 2 | (voice and (coder or coding)) and CELP | 2003/10/14 11:41 |
| 3 | ((voice and (coder or coding)) and CELP) and (search or searching) | 2003/10/14 11:42 |
| 4 | ((voice and (coder or coding)) and CELP) and (search or searching)) and sound adj quality | 2003/10/14 11:46 |
| 5 | ((voice and (coder or coding)) and CELP) and (search or searching)) and sound adj quality) and quantization | 2003/10/14 11:47 |
| 6 | ((((voice and (coder or coding)) and CELP) and (search or searching)) and sound adj quality) and quantization) and @ad<19980713 | 2003/10/14 14:09 |
| 7 | spectrum adj quantization | 2003/10/14 14:10 |
| 8 | (spectrum adj quantization) and adaptive | 2003/10/14 14:10 |
| 9 | ((spectrum adj quantization) and adaptive) and gain | 2003/10/14 14:12 |
| 10 | ((spectrum adj quantization) and adaptive) and @ad<19980713 | 2003/10/14 14:13 |
| 11 | low adj bit adj rate and CELP | 2003/10/14 15:01 |

| | DBs | Hits |
|----|---|-------------|
| 1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 20828 |
| 2 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 992 |
| 3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 497 |
| 4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 45 |
| 5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 34 |
| 6 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 14 |
| 7 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 97 |
| 8 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 26 |
| 9 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 16 |
| 10 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 21 |
| 11 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 494 |

| | Search Text | Time Stamp |
|----|--|---------------------|
| 12 | (low adj bit adj rate and CELP) and voiced and unvoiced | 2003/10/14 15:02 |
| 13 | ((low adj bit adj rate and CELP) and voiced and unvoiced) and @ad<19980713 | 2003/10/14 15:04 |
| 14 | ((low adj bit adj rate and CELP) and voiced and unvoiced) and @ad<19980713) and spectral parameters | 2003/10/14 15:04 |
| 15 | ((low adj bit adj rate and CELP) and voiced and unvoiced) and @ad<19980713) and spectral and parameters | 2003/10/14 15:06 |
| 16 | ((((low adj bit adj rate and CELP) and voiced and unvoiced) and @ad<19980713) and spectral and parameters) and adaptive | 2003/10/14 15:07 |
| 17 | (((((low adj bit adj rate and CELP) and voiced and unvoiced) and @ad<19980713) and spectral and parameters) and adaptive) and gain | 2003/10/14 15:30 |
| 18 | spectrum near quantization | 2003/10/14 15:30 |
| 19 | (spectrum near quantization) and sound source quantization | 2003/10/14 15:31 |
| 20 | ((spectrum near quantization) and sound adj source) and gain | 2003/10/14 15:31 |
| 21 | (spectrum near quantization) and sound adj source | 2003/10/14 15:50 |
| 22 | spectrum adj quantization adj circuit | 2003/10/14 15:51 |

| | DBs | Hits |
|----|---|-------------|
| 12 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 211 |
| 13 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 98 |
| 14 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 594214 |
| 15 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 76 |
| 16 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 52 |
| 17 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 47 |
| 18 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 160 |
| 19 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 225681 7 |
| 20 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 1 |
| 21 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 12 |
| 22 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 0 |

| | Search Text | Time Stamp |
|----|---|---------------------|
| 23 | (spectrum adj quantization) adj circuit | 2003/10/14 15:51 |
| 24 | (spectrum adj quantization) | 2003/10/14 15:51 |
| 25 | ((spectrum adj quantization)) and parameter | 2003/10/14 15:52 |
| 26 | ((spectrum adj quantization)) and parameter) and voice | 2003/10/14 15:52 |
| 27 | ((spectrum adj quantization)) and parameter) and voice) and @ad<19980713 | 2003/10/14 16:08 |
| 28 | ozawa | 2003/10/14 16:09 |
| 29 | ozawa.k | 2003/10/14 16:09 |
| 30 | ozawa and kazunori | 2003/10/14 16:13 |
| 31 | (ozawa and kazunori) and @ad<19780713 | 2003/10/14 16:14 |
| 32 | (ozawa and kazunori) and @ad<19980713 | 2003/10/14 16:15 |
| 33 | (ozawa and kazunori) and @ad<19970713 | 2003/10/14 16:15 |
| 34 | ((ozawa and kazunori) and @ad<19970713) and spectrum adj quantization | 2003/10/14 16:19 |

| | DBs | Hits |
|----|---|-------------|
| 23 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 0 |
| 24 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 97 |
| 25 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 30 |
| 26 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 10 |
| 27 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 6 |
| 28 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 27287 |
| 29 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 0 |
| 30 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 559 |
| 31 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 39 |
| 32 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 489 |
| 33 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 458 |
| 34 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 1 |

| | Search Text | Time Stamp |
|----|--|---------------------|
| 35 | ((ozawa and kazunori) and @ad<19970713) and adaptive adj codebook | 2003/10/14 16:45 |
| 36 | ((ozawa and kazunori) and @ad<19970713) and adaptive adj codebook and @ad<19970713 | 2003/10/14 17:01 |
| 37 | "5987406" | 2003/10/14 17:09 |
| 38 | "5774840" | 2003/10/14 17:17 |
| 39 | "5819213" | 2003/10/14 17:18 |

| | DBs | Hits |
|----|---|-------------|
| 35 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 24 |
| 36 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 24 |
| 37 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 3 |
| 38 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 5 |
| 39 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 15 |